PUBLIC NOTICE

PERMIT APPLICATION: NRS #04-138

APPLICANT: Tennessee Department of Transportation
Environmental Planning and Permits Division
James K. Polk Building
505 Deaderick Street, Suite 900
Nashville, TN 37243-0334
(615) 253-2477

LOCATION: State Route 15 (U.S. 64) from the Lincoln County Line to near Salem-Lexie Road, Franklin County, Tennessee

WATERSHED DESCRIPTION: The proposed project lies within the Upper Elk River Watershed and is included in the USGS Hydrologic Map Unit 06030003 of TN. Robinson Creek and Beans Creek are located upstream of the Elk River. Robinson Creek and Beans Creek are classified for the following uses: fish & aquatic life, recreation, irrigation, and livestock watering & wildlife. Beans Creek is also classified for industrial water supply. Robinson Creek is partially supporting of its designated uses due to agricultural siltation. Soils in the vicinity of the proposed project are mapped as Decatur-Dewey-Cumberland association soils in the Franklin County Soil Survey. Lands use is primarily residential.

PROJECT DESCRIPTION: The applicant proposes to widen SR-15 from the Lincoln County Line to near Salem-Lexie Road. This would involve channel relocation with new culverts and bank stabilization, channel alteration, and new culvert construction/replacement. Proposed mitigation for the stream encapsulation/length is payment of $251,600 to the Tennessee Wildlife Resources Foundation (TWRF) for the In-lieu Fee Stream Mitigation Bank.

Sta. 72+10± (Rt.) to Sta. 89+15± (Lt.): Unnamed tributary to Robinson Creek. Existing conditions consist of 1762 ft. of open channel plus 41 ft. of 4 ft. x 4 ft. culvert, 30 ft. of 18 inch & 36 inch RCP, 30 ft. of 42 inch RCP, and 30 ft of 24 inch and 42 inch RCP for a total structure length of 131 ft. The applicant proposes to install 160 ft. of 2 @ 8 ft. x 3 ft. box culvert, 36 ft. of 10 ft. x 8 ft. box culvert, and 36 ft. of 10 ft. x 8 ft. box culvert for a total proposed structure length of 232 ft. The applicant also proposes a total of 80 ft. of rip-rap at inlets and outlets and 20 ft. of rip-rap for bank stabilization. The total proposed open channel is 1651 ft.

Sta. 76+10± (Rt.) to Sta. 77+10± (Lt.): Unnamed tributary to Robinson Creek. Existing conditions consist of 224 ft. of open channel. The applicant proposes to relocate the channel and install 50 ft. of rip-rap.

Sta. 149+04: Unnamed tributary to Robinson Creek. Existing conditions consist of 194 ft. of open channel plus 40 ft of 24 inch pipe. The applicant proposes to install 160 ft. of 48 inch pipe for a total proposed structure length with headwalls of 220 ft. The applicant also proposes a total of 5 ft. of rip-rap at the outlet.

Sta. 178+95: Unnamed tributary to Beans Creek. Existing conditions consist of 209 ft. of open channel plus 46 ft of 24 inch pipe. The applicant proposes to install 186 ft. of 2 @ 30 inch pipes for a total proposed structure length with headwalls of 226 ft. The applicant also proposes a total of 5 ft. of rip-rap at the inlet. The total proposed open channel is 35 ft.

Sta. 184+64: Unnamed tributary to Beans Creek. Existing conditions consist of 252 ft. of open channel plus 51 ft of 24 inch PVC. The applicant proposes to install 212 ft. of 48 inch pipe for a total proposed structure length with headwalls of 253 ft. The applicant also proposes a total of 8 ft. of rip-rap at the outlet.

Associated with this project are road crossings and bank stabilization that have been determined to fall under General Permits.

Sta. 122+05: Robinson Creek. Existing conditions consist of a 5 span concrete bridge. The applicant proposes to remove the existing bridge and install 255 ft. of 3 span concrete girder bridge.

Sta. 207+36: Branch Creek. The applicant proposes to install 196 ft. of 2 @ 10 ft. x 9 ft. box culvert. The applicant also proposes 25 ft.± transition at the inlet and 25 ft.± transition at the outlet.

Sta. 207+30: Branch Creek. The applicant proposes 10 ft. ± of bank stabilization.

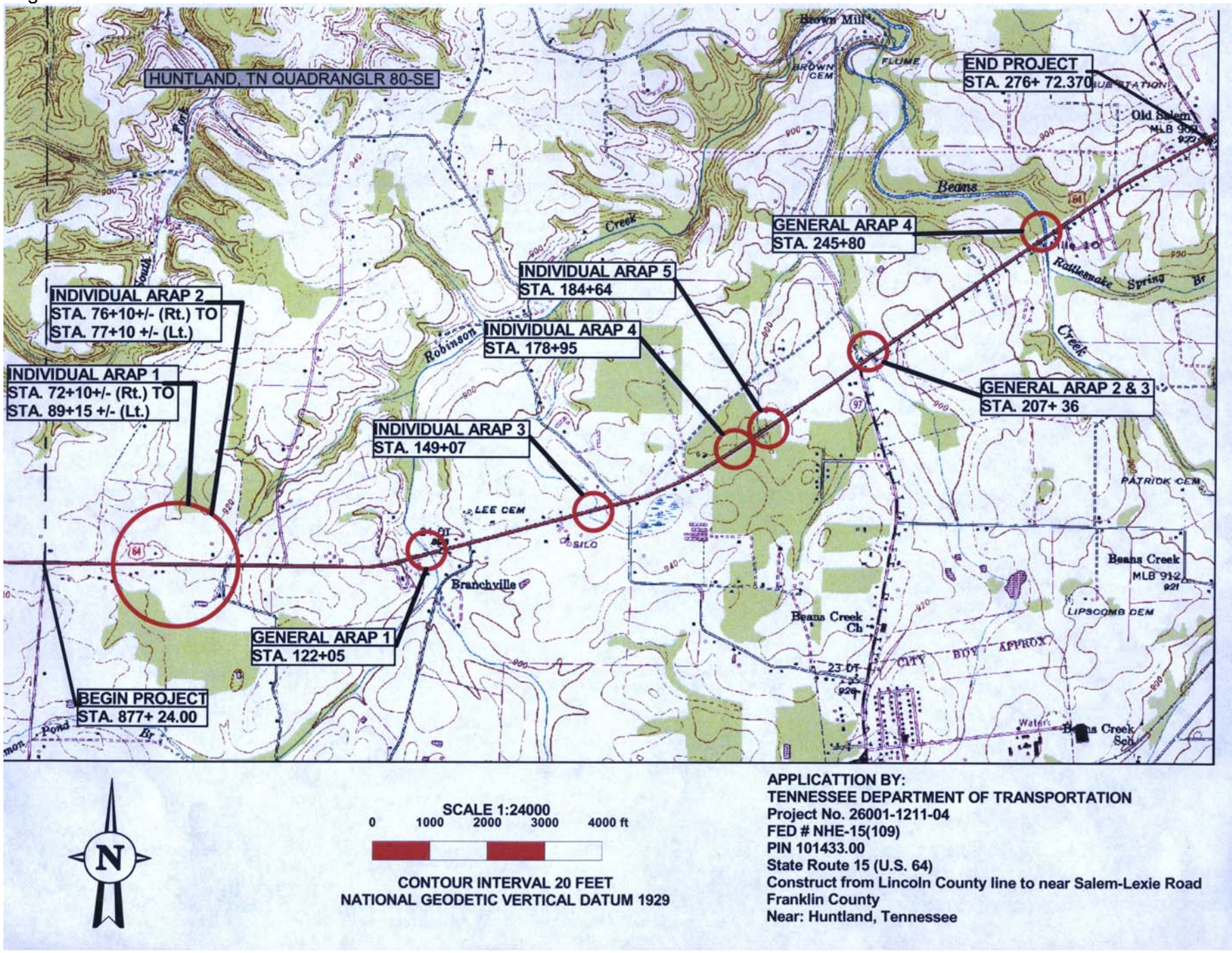
Sta. 245+80: Beans Creek. Existing conditions consist of a 7 span concrete bridge. The applicant proposes to remove the existing bridge and install 340 ft. of 4 span concrete girder bridge.

Standard erosion control devices would be used to prevent sediment from entering flowing water. Upon completion of the work, all disturbed areas would be stabilized.

PERMIT COORDINATOR: Vicki Steed, State of Tennessee, Department of Environment and Conservation, Division of Water Pollution Control, Natural Resources Section, 7th Floor, L & C Annex, 401 Church Street, Nashville, Tennessee 37243-1534

USGS TOPOGRAPHIC QUADRANGLE: Huntland, TN Quadrangle 80 SE

Attached: Topographic Location Map


HUNTLAND, TN QUADRANGLR 80-SE
END PROJECT
STA. 276+ 72.370
GENERAL ARAP 4
STA. 245+80
INDIVIDUAL ARAP 5
STA. 184+64
INDIVIDUAL ARAP 2
STA. 76+10+/- (Rt.) TO
STA. 77+10 +/- (Lt.)
INDIVIDUAL ARAP 4
STA. 178+95
INDIVIDUAL ARAP 1
STA. 72+10+/- (Rt.) TO
STA. 89+15 +/- (Lt.)
GENERAL ARAP 2 & 3
STA. 207+ 36
INDIVIDUAL ARAP 3
STA. 149+07
GENERAL ARAP 1
STA. 122+05
BEGIN PROJECT
STA. 877+ 24.00
Brown Mill
Old Salem
Beans Creek
Rattlesnake Spring Br
Robinson
Branchville
LEE CEM
PATRICK CEM
LIPSCOMB CEM
Beans Creek Ch
Beans Creek MLB 912
Beans Creek Sch
SILO
N
SCALE 1:24000
0 1000 2000 3000 4000 ft
CONTOUR INTERVAL 20 FEET
NATIONAL GEODETIC VERTICAL DATUM 1929
APPLICATTION BY:
TENNESSEE DEPARTMENT OF TRANSPORTATION
Project No. 26001-1211-04
FED # NHE-15(109)
PIN 101433.00
State Route 15 (U.S. 64)
Construct from Lincoln County line to near Salem-Lexie Road
Franklin County
Near: Huntland, Tennessee